Attorney Docket No. 9159-4 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Starobin et al.
Application Serial No.: 10/625,133 Group Art Unit: Not Yet Assigned
Filed: July 23, 2003 Examiner: Not Yet Assigned
For: ***Method and System for Evaluating Cardiac Ischemia Based on Heart Rate Fluctuations***

Date: December 11, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Sir:

Attached is a list of documents on Form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the waiver by the U.S. Patent and Trademark Office of requirements under 37 C.F.R. § 1.98(a)(2)(i) for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003.

It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP. No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,

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Lyndsey D. Hall, CP
Certified Paralegal

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Attorney Docket Number 9159-4	Serial No. 10/625,133
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)	Applicants: Starobin et al.	
	Filing Date July 23,2003	Group

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1	4,870,974	10/03/89	Wang	128	700	
	2	5,020,540	06/04/91	Chamoun	128	703	
	3	5,117,834	06/02/92	Kroll et al.	128	705	
	4	5,148,812	9/22/92	Verrier et al.	128	704	
	5	5,323,783	06/28/94	Henkin et al.	128	703	
	6	5,419,338	05/30/95	Sarma et al.	128	703	
	7	5,560,370	10/01/96	Verrier et al.	128	705	
	8	5,713,367	02/03/98	Arnold et al.	128	700	
	8	5,792,065	08/11/98	Xue et al.	600	516	
	10	5,794,623	08/18/98	Forbes	128	702	
	11	5,827,195	10/27/98	Lander	600	509	
	12	5,842,997	12/01/98	Verrier et al.	600	516	
	13	5,891,047	04/06/99	Lander et al.	600	516	
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	15	5,951,484	09/14/99	Hoium et al.	600	515	
	10	6,361,503	03/26/02	Starobin et al.	600	509	
	17	2002/0038091	03/26/02	Starobin et a.	600	509	
	10	2002/0042578	04/11/02	Starobin et al.	600	508	
	19	2003/0130586	07/10/03	Starobin et al.	600	515	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes | No
	20	WO 03/057033	07/17/03	PCT	A61B	5/0452	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	21	Arnold et al.; *The dependence on heart rate of the human ventricular action potential duration,* Cardiovascular Research, **16**, 547-551 (1982).

EXAMINER _____ DATE CONSIDERED

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)	Attorney Docket Number 9159-4	Serial No. 10/625,133
	Applicants: Starobin et al.	
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	22	Chernyak et al.; *Class of Exactly Solvable Models of Excitable Media*, Phys. Rev. Lett., **80:25**, 5675-5678 (1998)
	23	Chernyak et al.; *Where do dispersion curves end? A basic question in theory of excitable media*, Phys. Rev. E,. **58**:4, 4108-4111 (1998)
	24	Ciavolella et al.; *Exponential Fit of QT Interval-Heart Rate Relation During Exercise Used to Diagnose Stress-induced Myocardial Ischemia*, Journal of Electrocardiology, **24:2**, 145-153 (1991).
	25	Cole et al.; *Heart-Rate Recovery Immediately After Exercise As A Predictor Of Mortality*, The New England Journal of Medicine, **341:18**, 1351-1357 (October 1999).
	26	Franz et al.; *Cycle Length Dependence of Human Action Potential Duration In Vivo; Effects of Single Extrastimuli, Sudden Sustained Rate Acceleration and Deceleration, and Different Steady-State Frequencies*, J. Clin. Invest,. **82**, 972-979 (1988).
	27	Froelicher, Jr. et al.; *A comparison of three maximal treadmill exercise protocols*, Journal of Applied Physiology, **36:6**, 720-725 (1974).
	28	Hintze et al.; *Prognostic Properties of QT/RR Dynamics in Survivors of Myocardial Infarction with Reduced Systolic Function*, NASPE Annual Meeting, Washington, D.C. (May 17-20, 2000).
	29	Jonnalegedda et al.; *An Exponential Formula for Heart Rate Dependence of QT Interval During Exercise and Cardiac Pacing in Humans: Reevaluation of Bazett's Formula*, Am J Cardiol, **54**, 103-108 (1984).
	30	Jonnalegedda et al.; *Hysteresis in the Human RR-QT Relationship During Exercise and Recovery*, PACE **10**, 485-491 (1997).
	31	Krahn, M.D. et al.; *Hysteresis of the RT Interval With Exercise; A New Marker for the Long-QT Syndrome?*, Circulation, **96**, 1551-1556 (1997).
	32	Lau et al.; *Hysteresis of the ventricular paced QT interval in response to abrupt changes in pacing rate*, Cardiovascular Research, **22**, 67-72 (1988).
	34	Starobin et al.; *The role of a critical excitation length scale in dynamics of reentrant cardiac arrhythmias*, Herzschr Elektrophys, **10**, 119-136 (Month Unknown, 1999).
	34	Surawicz; *Will QT Dispersion Play a Role in Clinical Decision-Making?*, J Cardiovascular Electrophysiol, **7**, 777-784 (1996).
	36	Swan et al.; *Rate adaption of QT intervals during and after exercise in children with congenital long QT syndrome*, European Heart Journal, **19**, 508-513 (1998).
	36	Takahashi et al.; *Paradoxically Shortened QT Interval after a Prolonged Pause*, PACE, **21**, 1476-1479 (1998).
	37	Pierpoint et al.; *Heart rate recovery post-exercise as an index of parasympathetic activity*, Journal of the Autonomic Nervous System, **80**, 169-174 (May 12, 2000)
	38	International Search Report, International Application No. PCT/US01/20391 dated August 20, 2001

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